

Product datasheet for **SC115070**

Pescadillo (PES1) (NM_014303) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pescadillo (PES1) (NM_014303) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pescadillo
Synonyms:	NOP7; PES
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115070 sequence for NM_014303 edited (data generated by NextGen Sequencing)

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ATGGGAGGCCTTGAGAAGAAGAAGTATGAACGAGGCTCGGCCACCAACTACATCACCCGG
AACAAAGCCCGGAAGAAGCTCCAGCTGAGCTTGGCTGACTTTAGGCGGCTGTGCATTCTG
AAGGGCATTATCCCCATGAACCCAAACACAAGAAGAAGTTAACAAAGGTTCTACAGCA
GCCCGAACGTTTTACCTTATCAAAGACATCAGGTTTCTCCTCCACGAACCCATTGTCAAC
AAGTTCCTGTAATACAAGGTGTTTCGTCCGGAAGCTCCGGAAGCTTATGGGAAGAGCGAG
TGGAACACTGTAGAGCGTTTAAAGGACAATAAGCCCAACTACAAACTCGACCACATCATC
AAGGAACGGTATCCCACGTTTCATCGATGCCCTGCGGGACCTGGACGATGCCCTCTCCATG
TGCTTCTGTTTTCCACCTTCCCGGACTGGCAAGTGCCACGTGCAGACCATTGAGCTG
TGCCGCCGGCTCACTGTGGAGTTCATGCACTACATTATCGCTGCCCGTCCCTGCGCAAG
GTCTTCTGTCCATCAAAGGCATTTACTACCAGGCCGAGGTAAGGGCAGCCCATCGTG
TGGATCACTCCATATGCCTTCTCCATGACCACCCGACAGACGTGGACTACAGGGTCATG
GCCACCTTCAACGAGTTCTACACCACGCTGCTGGGCTTTGTCAACTTCCGCCTTTACCAG
TTGCTCAACCTCCACTATCCCCGAAGCTCGAGGGTCCAGCCCAAGCAGAGGCAAAGGCC
GGTGAGGGCACCTACGCGTTGGACTCCGAGAGTTGTATGGAGAACTGGCAGCCCTCAGT
GCCAGCCTGGCCCGCTGGTGGTGCCTGCCACAGAGGAGGAGGCCGAGGTGGATGAGTTT
CCCACCGATGGGGAGATGTCAGCGCAGGAGGAAGACCGCAGGAAGGAGCTGGAGGCGCAG
GAGAAGCAACAAGAAGCTTTTTGAGGGCCTGAAGTTCTTCTGAACCGAGAGGTGCCCGT
GAGGCCCTGGCCTTATCATCAGGAGTTTTGGTGGGAAGTGTCTGGGACAAATCTTTG
TGCATTTGGGGCCACCTATGACGTACAGACTCCCGCATCACCCATCAGATTGTCGACCGG
CCTGGGCAGCAGACCTCAGTCATTGGCAGGTGCTACGTGCAGCCCAAGTGGTGTGTTGAC
TCAGTGAACGCCAGGCTCCTTCTCCCGTGGCAGAGTACTTCTCTGGGGTGCAGCTGCC
CCACACCTTTACCCCTTTGTGACCGAGAAGGAAGGAGATTACGTTCCACCTGAGAAGCTG
AAGCTGCTGGCTCTGCAGCGGGAGAGGACCCAGGAAACCTGAATGAGTCAGAAGAGGAG
GAGGAAGAGGACGACAACAACGAAGGTGATGGTATGAAGAGGGAGAAAATGAGGAGGAG
GAGGAAGATGCAGAGGCTGGTTCAGAAAAGGAGGAAGAGGCCCGCTGGCAGCCCTGGAA
GAGCAGAGGATGGAGGGGAAGAAGCCAGGGTATGGCAGGCACCTTGAAGCTGGAGGAT
AAGCAGCGGCTGGCCAGGAGGAGAGTGAGGCCAAGCGCCTGGCCATTATGATGATG
AAGAAGCGGGAGAAGTACCTGTACCAGAAGATCATGTTTGGCAAGAGGCGAAAAATCCGA
GAGGCCAACAAAGCTGGCGGAGAAGCGGAAAGCCACGATGAGGCGGTGAGGTCTGAGAAG
AAGGCCAAGAAGGCAAGCCGGAGTGA
    
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Clone variation with respect to NM_014303.3

5' Read Nucleotide Sequence: >OriGene 5' read for NM_014303 unedited

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NGTCANATTTGTATACGATCATATAGGGCGGCCGCGAATTCGCACGAGGAGTGGAGCTGC
CTGTACGCGCGGCCCTAGTCGGCTCCTAACGTGGAGCGATGGGAGGCCTTGAGAAGAAG
AAGTATGAACGAGGCTCGGCCACCAACTACATCACCCGGAACAAAGCCCGGAAGAAGCTC
CAGCTGAGCTTGCTGACTTTAGGCGGCTGTGCATTCTGAAGGGCATTATCCCCATGAA
CCCAAACAACAAGAAGAAGTTAACAAGGTTCTACAGCAGCCGAACGTTTTACCTTATC
AAAGACATCAGGTTTCTCCTCCACGAACCCATTGTCAACAAGTTCCGTGAATACAAGGTG
TTCGTCCGGAAGCTCCGGAAGGCTTATGGGAAGAGCGAGTGAACACTGTAGAGCGTTTA
AAGGACAATAAGCCCAACTACAAACTCGACCACATCATCAAGGAACGGTATCCCACGTTT
ATCGATGCCCTGCGGGACCTGGACGATGCCCTCTCCATGTGCTTCTGTTTTCCACCTTC
CCGCGGACTGGCAAGTGCCACGTGCAGACCATTAGCTGTGCCGCGGCTCACTGTGGAG
TTCATGCACTACATTATCGCTGCCCGTGCCTGCGCAAGGTCTTCTGTCCATCAAAGGC
ATTTACTACCAGGCCGAGGTAAGGGCAGCCCATCGTGTGGATCACTCCCTATGCCTTC
TCCCATGACCACCCGACAGACGTGGACTACAGGGTCATGGCCACCTTACCCGAGTCTAC
ACCACGCTGCTGGGCCTTGTCAACTTCCGCCTTTACCAGTTGCTCAACCTCACTATCCCC
CGAAGCTCGAGGGTCCAGGCCCAACAGAAGCAAAGGCCGGTGAGGGCACCTACGCGTTGG
ACTCCGAGAGC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014303 unedited TAACGAGGCCGCTTTCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTCGCAATTGGCACAAAAG TCCAGTCATTTAATAACAAATGCTCCCCCTACCCTCACCCCATCACAGCACCCCTGAGAAT CACGGGTCCAACCTGTGTGGGAGGGGGCTGTGAAAGCCAGGATGAATGGGGCAGTAGGT AGGGGGCTGGGTGGCCCTCTGCACCTCATGTCACTGGCTCCTGGGAGCAGAGAATCAGGC TGGGCACAGAGGCCTCTCTCTGACCAGCACCAGCAGGGCAGCTCCATCCAAGGAAGC GAGGGCTGCCACTGGCCAGCCAGAGAGCATGAGGGGTGAGGGCTGGCTGGAGAAAGGA GGAGGAGAAGTGACTCTGGTCCATCACACTTAAGTCTCTGGCCTGCCTCTGCCACATCC AACTTGCTAGGGGCTGGCCCTAAACCCCTTGGGAAGGGCCCAAGGCCCTTTATTTTG GGCCTTTGCTTTTTTGGCCTTTTTTAAAACCTTCCCCCTTTTTTGGGGTTTTTTTCGTT TTTTTCCCAAATTTTTTGGGCCCTCTGGATTTTTTCCCCTTCCCAAAAATATTTT TTGGAAGGGGCTTTTTCCCCTTTTTTTTTTTTTTAAAAAGGGGGGGGGGGGGGGGGGG GTCATTTTTTTCTCTCTGGGGACACCCGGGGTTTTTTTTTCTCCCCTCTTAAGGGG GGGCCCCCACCACCGCGGGGTTCTCTCCACCCCTCCGTTTTTTATAAAAAGA AGAAAAACGCCTTTTTTTTTTTTTTTTTTATAAAAAACACCCGGCGTTTTTTCTCT CCCCCCCCTTTTTTCTCTCTTTAAAAACAAAAACAAAGTTT
Restriction Sites:	ECoRI-NOT
ACCN:	NM_014303
Insert Size:	2380 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_014303.2</u> , <u>NP_055118.1</u>
RefSeq Size:	2279 bp
RefSeq ORF:	1767 bp
Locus ID:	23481
UniProt ID:	<u>O00541</u>
Cytogenetics:	22q12.2
Domains:	BRCT

Gene Summary:

This gene encodes a nuclear protein that contains a breast cancer associated gene 1 (BRCA1) C-terminal interaction domain. The encoded protein interacts with BOP1 and WDR12 to form the PeBoW complex, which plays a critical role in cell proliferation via pre-rRNA processing and 60S ribosomal subunit maturation. Expression of this gene may play an important role in breast cancer proliferation and tumorigenicity. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Pseudogenes of this gene are located on the long arm of chromosome 4 and the short arm of chromosome 9. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (1) encodes isoform 1.